**Silver Roi Ramos**

**Introduction to Programming**

**Ninja Game II**

**Challenges**

1. How would you add the direction of top?

I will refer to the block of codes of the other direction and convert it to the direction of top. Below is the block of code for the direction of top.

else if (e.keyCode == 38 && topValue>0) { // UP

topValue = topValue - 10;

direction = 'top';

}

1. Our Ninja is moving, but it doesn't look like he's walking. What would you change to make the ninja look like he's walking?

<html>

<body>

<div id='background'>

<div id='character' style='position:absolute; top:100px; left:450px; background-image: url("img/down1.png"); width:59px; height:86px;'></div>

</div>

<script type="text/javascript">

var leftValue = 450, topValue = 100, direction = 'down', step = 1;

function update(){

if (step==1){

step=2;

}

else{

step=1;

}

document.getElementById("character").style.left = leftValue+"px";

document.getElementById("character").style.top = topValue+"px";

document.getElementById("character").style.backgroundImage = "url('img/"+direction+step+".png')";

}

document.onkeydown = function(e){

console.log(e);

if(e.keyCode == 37 && leftValue>0) { // LEFT

leftValue = leftValue - 10;

direction = 'left';

}

else if (e.keyCode == 39 && leftValue<500) { // RIGHT

leftValue = leftValue + 10;

direction = 'right';

}

else if (e.keyCode == 40 && topValue<500) { // DOWN

topValue = topValue + 10;

direction = 'down';

}

else if (e.keyCode == 38 && topValue>0) { // UP

topValue = topValue - 10;

direction = 'top';

}

update();

}

</script>

</body>

</html>